

GCCS/DII COE System Integration Support

DII COE Segment Version Description Document (for the SeComp Tool Version 1.0.0.3)

May 21, 1997

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**Defense Information Infrastructure (DII)
Common Operating Environment (COE)**

**Segment Version Description
Document for the Security
Compliance (SeComp) Tool
Version 1.0.0.3**

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Table of Contents

Preface	ii
1. Version Description Document (VDD) for the SeComp Tool	1
2. Hardware	1
3. Software	1
4. Documentation	2
Appendix A. References	2

Preface

The following conventions are used in this document:

Bold	Used for information that is typed, pressed, or selected in executables and instructions. For example, select connect to host .
<i>Italics</i>	Used for file names, directories, scripts, commands, user IDs, document names, and Bibliography references; and any unusual computerese the first time it is used in text.
<u>Underline</u>	Used for emphasis.
Arrows <>	Used to identify keys on the keyboard. For example <Return>.
“Quotation Marks”	Used to identify informal, computer-generated queries and reports, or coined names; and to clarify a term when it appears for the first time. For example “Data-Generation Report.”
Courier Font	Used to denote anything as it appears on the screen or command lines. For example <code>tar xvf dev/rmt/3mm</code> .
Capitalization	Used to identify keys, screen icons, screen buttons, field, and menu names.

1. Version Description Document (VDD) for the SeComp Tool

The Defense Information Infrastructure (DII) Common Operating Environment (COE) Security Compliance (SeComp) tool provides functions and procedures to determine if, where, when, and how COE kernel function and application segments might be disruptive to a system security configuration. The SeComp tool examines and reports on the configuration items identified in the DII Security Checklist.

The SeComp tool is not segmented and is delivered as part of the Developers ToolKit. This document will provide overview information pertaining to the hardware, software, and documentation baseline of the SeComp tool.

2. Hardware

The SeComp tool is capable of executing on both Solaris and HP-UX platforms. There are two versions of the software, one each for Solaris 2.5 and HP-UX 10.x, that have been developed. Additionally, the SeComp tool will be ported and integrated for upcoming versions of other UNIX-based platforms certified for DII COE operation as required.

3. Software

The SeComp tool is implemented entirely in UNIX shell scripts. For both Solaris and HP-UX implementation, the Bourne shell script language is used.

For HP-UX, it is important to note that SeComp Version 1.0.0.1 (V1.0.0.1) (there was no V1.0.0.2 for the HP) is only compatible with the HP-UX 9.0.7 platforms. SeComp V1.0.0.3 is only compatible with HP-UX 10.x platforms.

The SeComp tool incorporates the use of the Crack password vulnerability program. This program is delivered with the SeComp tool and includes a pre-compiled binary. The source for the Crack program is also included in the event re-compilation is desired or necessary¹. No compiler is provided.

¹ The Crack executable program delivered is compiled using a GNU compiler. There is seldom reason to recompile the Crack programs.

4. Documentation

In addition to this VDD, the document baseline for the SeComp tool is as follows:

- Ⓒ *Defense Information Infrastructure (DII) Common Operating Environment (COE) Security Compliance (SeComp) Tool System Test Descriptions (STD), Version 1.0.0.3, May 21, 1997.*
- Ⓒ *Defense Information Infrastructure (DII) Common Operating Environment (COE) Security Compliance (SeComp) Tool System Administrators Manual (SAM), Version 1.0.0.3, May 21, 1997.*
- Ⓒ *Defense Information Infrastructure (DII) Common Operating Environment (COE) Security Compliance (SeComp) Tool Software Requirements Specification (SRS), Version 1.0.0.3, May 21, 1997.*
- Ⓒ *Defense Information Infrastructure (DII) Common Operating Environment (COE) Security Compliance (SeComp) Tool Software Test Plan (STP), Version 1.0.0.3, May 21, 1997.*
- Ⓒ *Defense Information Infrastructure (DII) Common Operating Environment (COE) Security Compliance (SeComp) Tool System Test Report (STR), Version 1.0.0.3, May 21, 1997.*
- Ⓒ *Defense Information Infrastructure (DII) Common Operating Environment (COE) Security Compliance (SeComp) Tool Installation Procedures (IP), Version 1.0.0.3, May 21, 1997.*

All other DII COE Configuration Management (CM) documentation requirements were waived by the DII Chief Engineer in the Critical Design Review (CDR) held on behalf of the SeComp product on January 17, 1997.

Appendix A. References

Defense Information Systems Agency (DISA), Security Checklists for the Defense Information Infrastructure (DII) Common Operating Environment (COE), November 1996.